

FIG.1

FIG.2

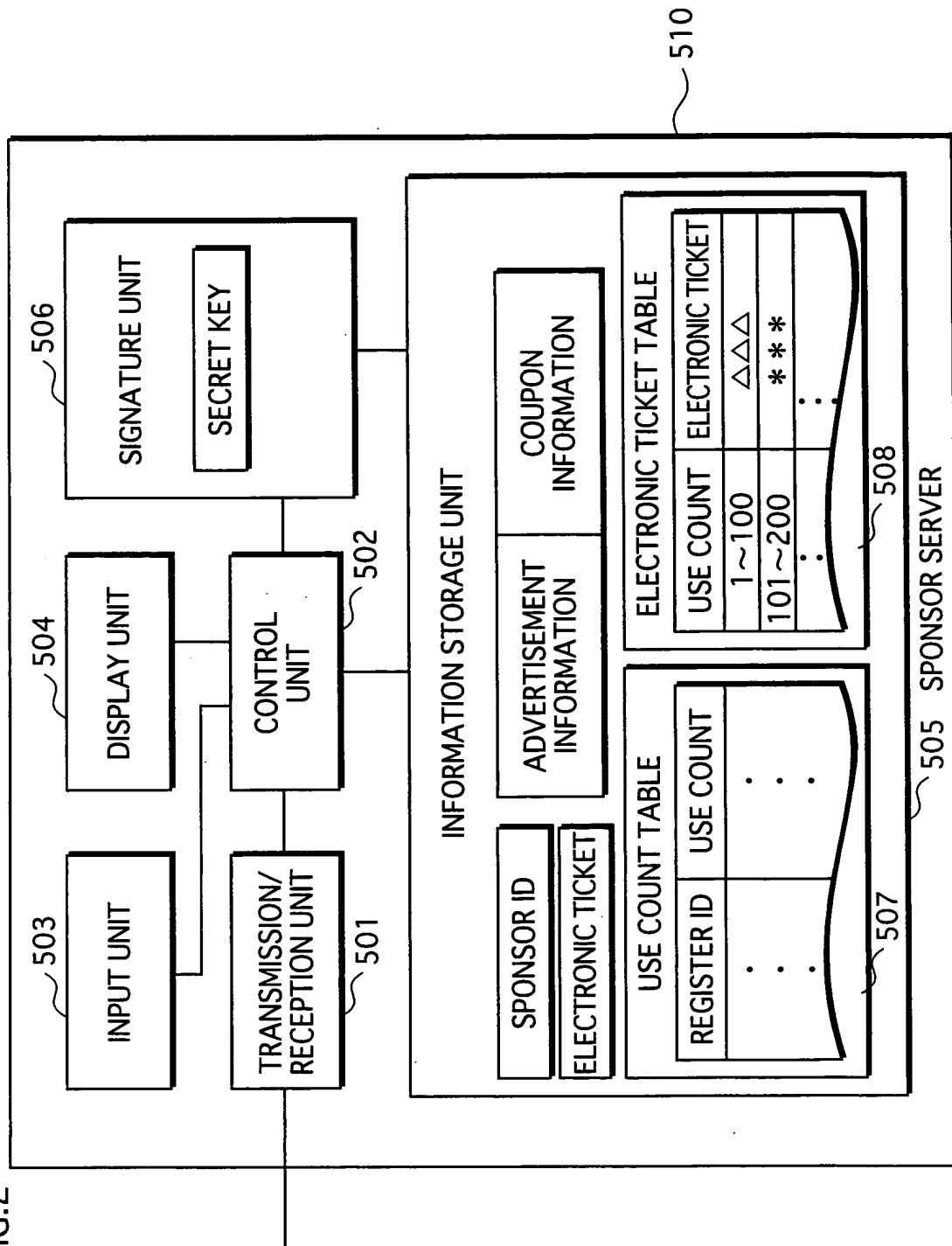


FIG. 3

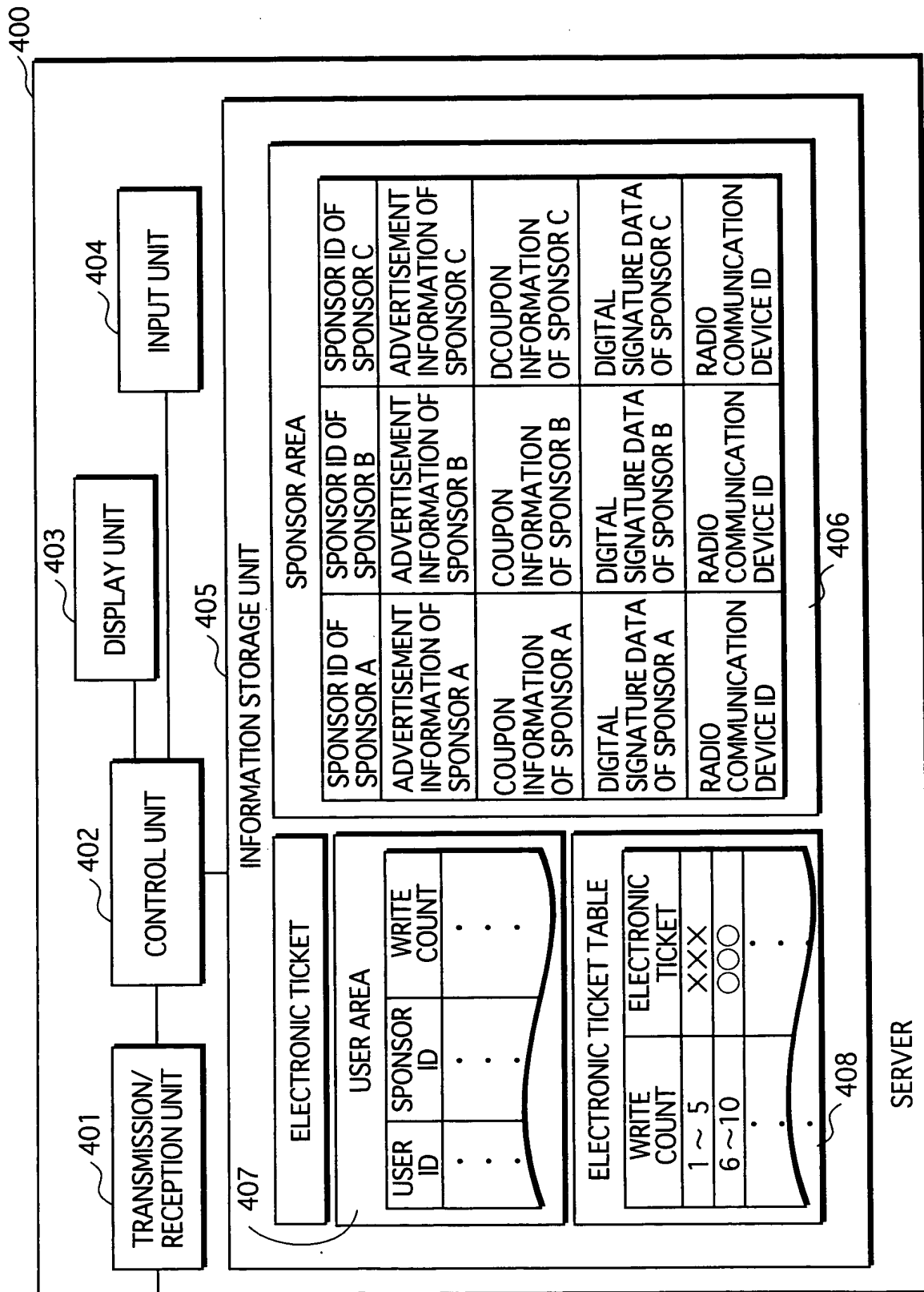


FIG. 4

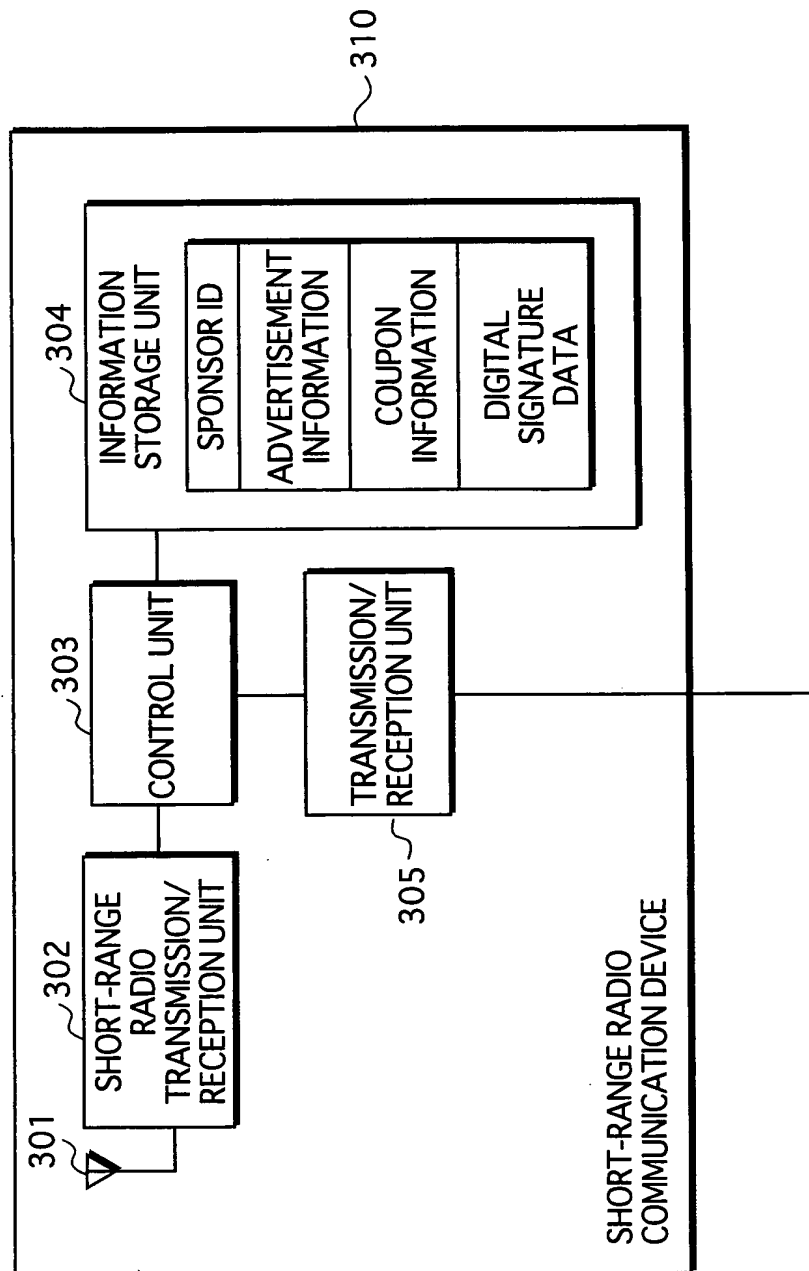


FIG. 5

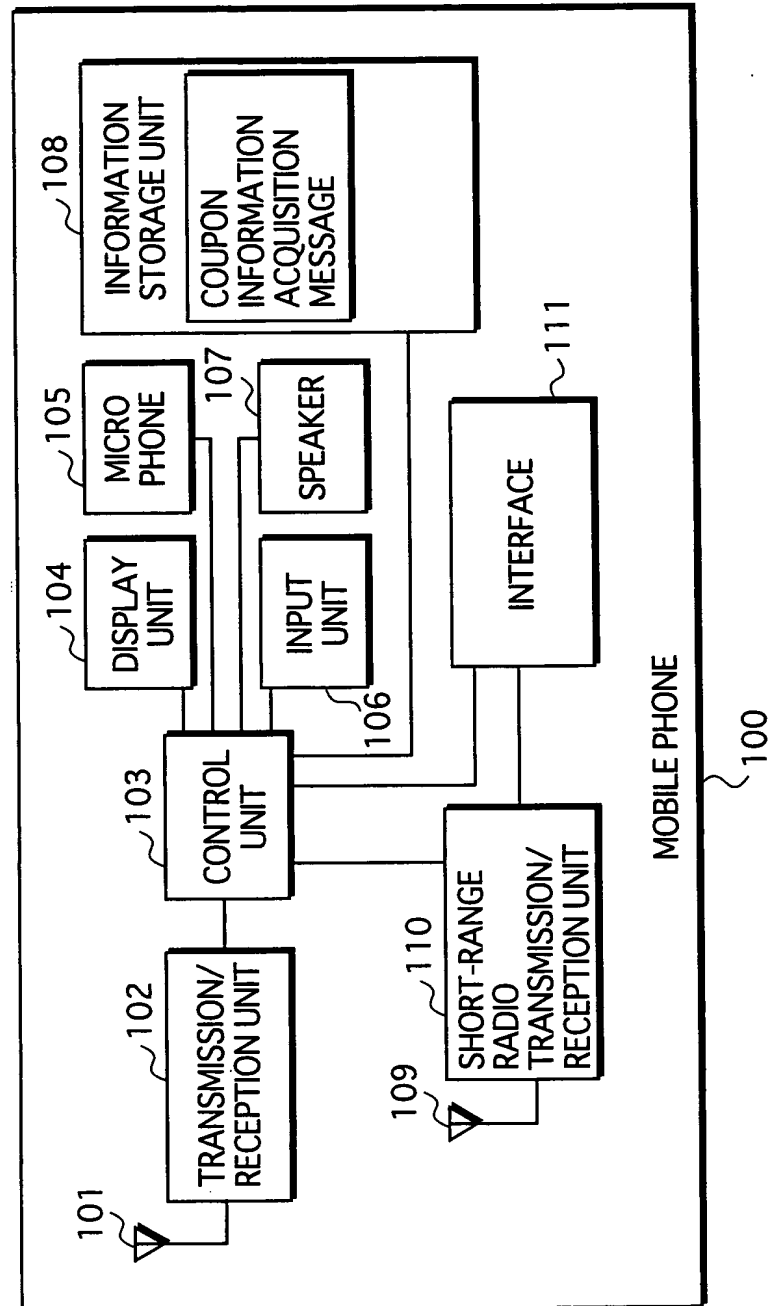


FIG. 6

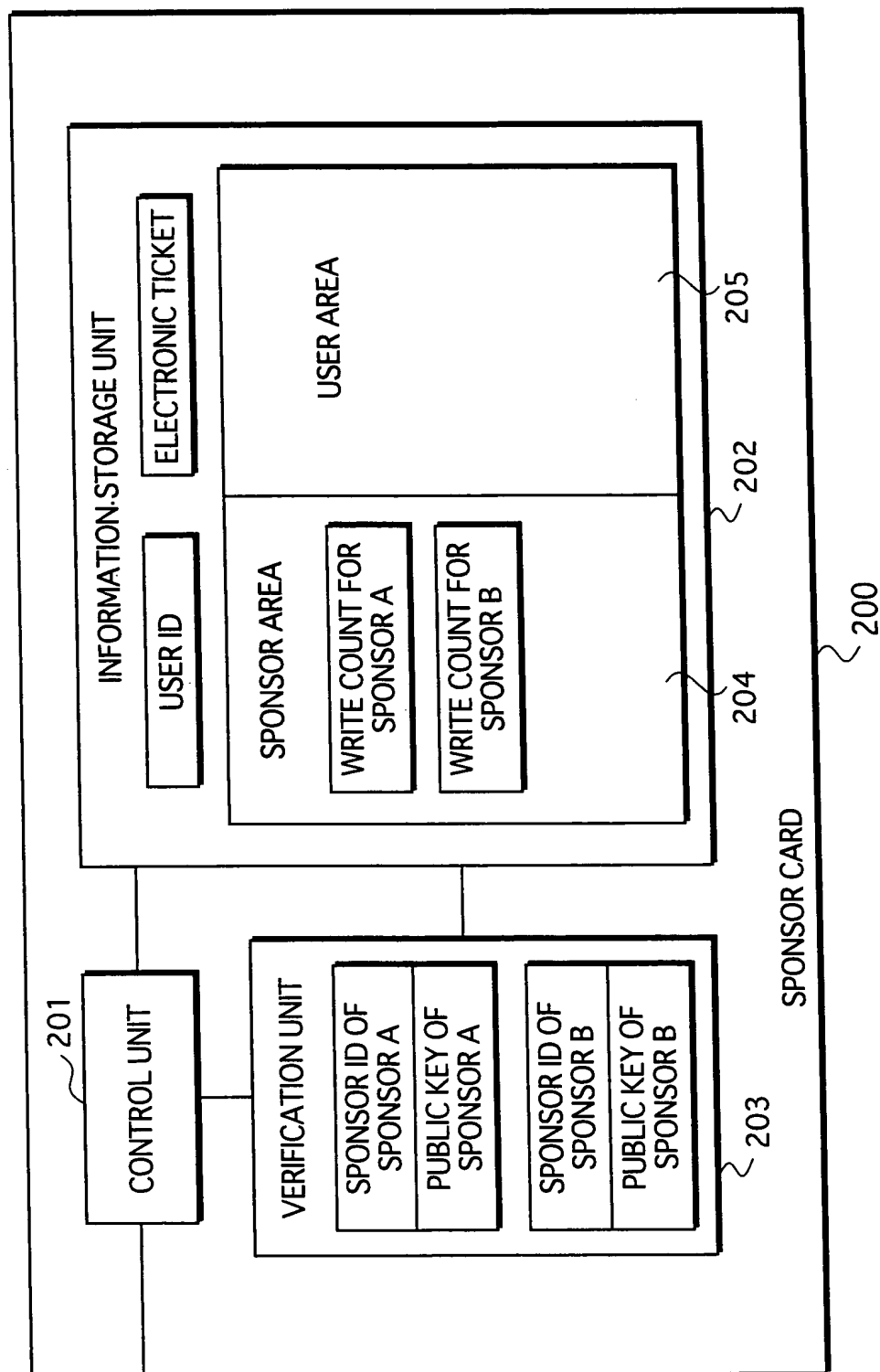
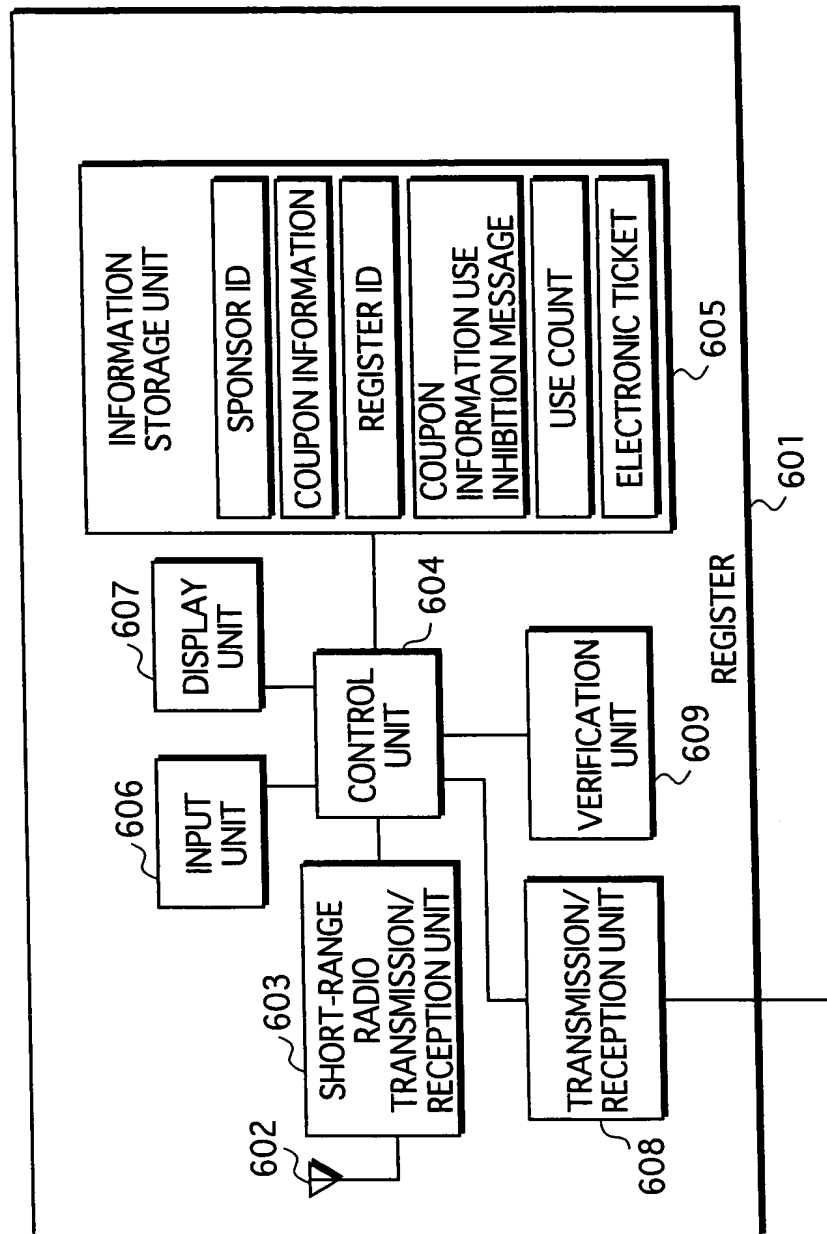
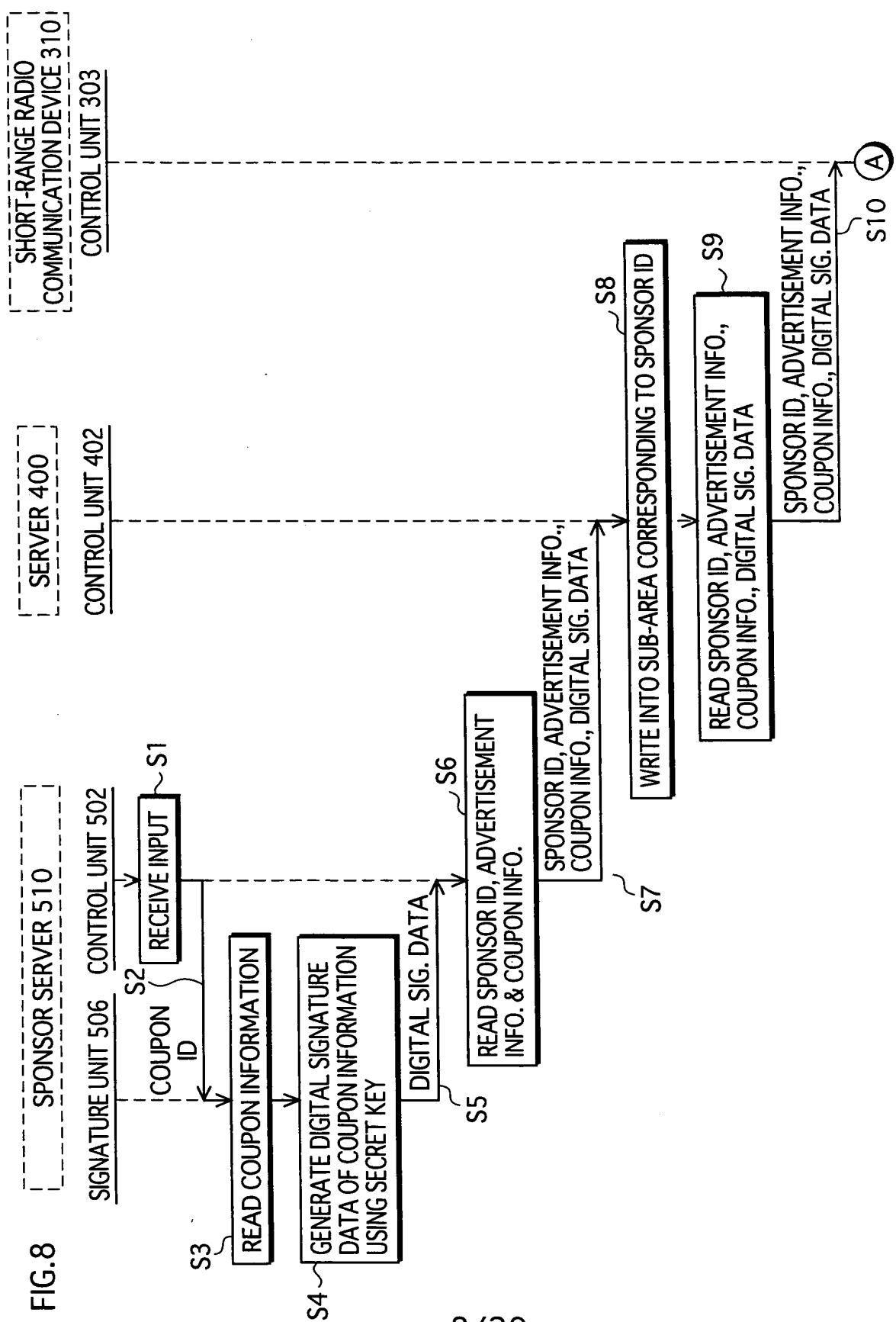


FIG. 7







The diagram illustrates a system architecture for processing digital coupon information. It consists of the following components and data flows:

- MOBILE PHONE 100** (dashed box) contains **CONTROL UNIT 103**.
- SPONSOR CARD 200** (dashed box) contains **CONTROL UNIT 201** and **VERIFICATION UNIT 203**.
- CONTROL UNIT 303** is an external unit.
- WRITE INTO INFORMATION STORAGE UNIT** (S11) receives data from **CONTROL UNIT 303** (indicated by arrow A).
- READ SPONSOR ID, ADVERTISEMENT INFO. COUPON INFO., DIGITAL SIG. DATA** (S12) receives data from the **WRITE INTO INFORMATION STORAGE UNIT**.
- SPONSOR ID, ADVERTISEMENT INFO. COUPON INFO., DIGITAL SIG. DATA** (S13) is the output of the reading unit.
- SPONSOR ID, ADVERTISEMENT INFO. COUPON INFO., DIGITAL SIG. DATA** (S14) is the output of **CONTROL UNIT 103**.
- EXTRACT SPONSOR ID, COUPON INFO. & DIGITAL SIG. DATA** (S15) receives data from **CONTROL UNIT 201** and **CONTROL UNIT 103**.
- DIGITAL SIG. DATA, SPONSOR ID, COUPON INFO.** (S16) is the output of the extraction unit.
- VERIFICATION UNIT 203** receives data from **CONTROL UNIT 201** and **CONTROL UNIT 103**.

FIG.10

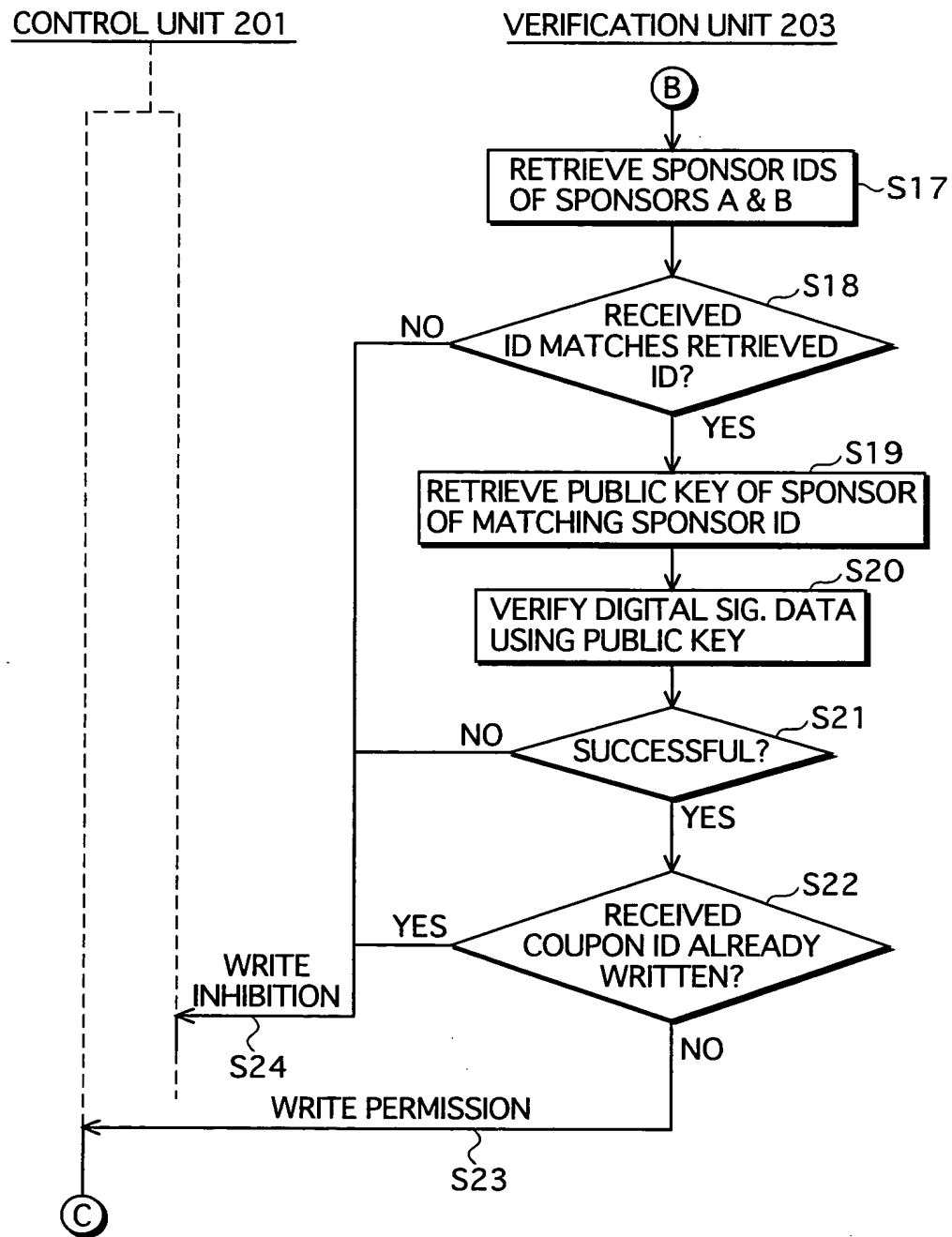
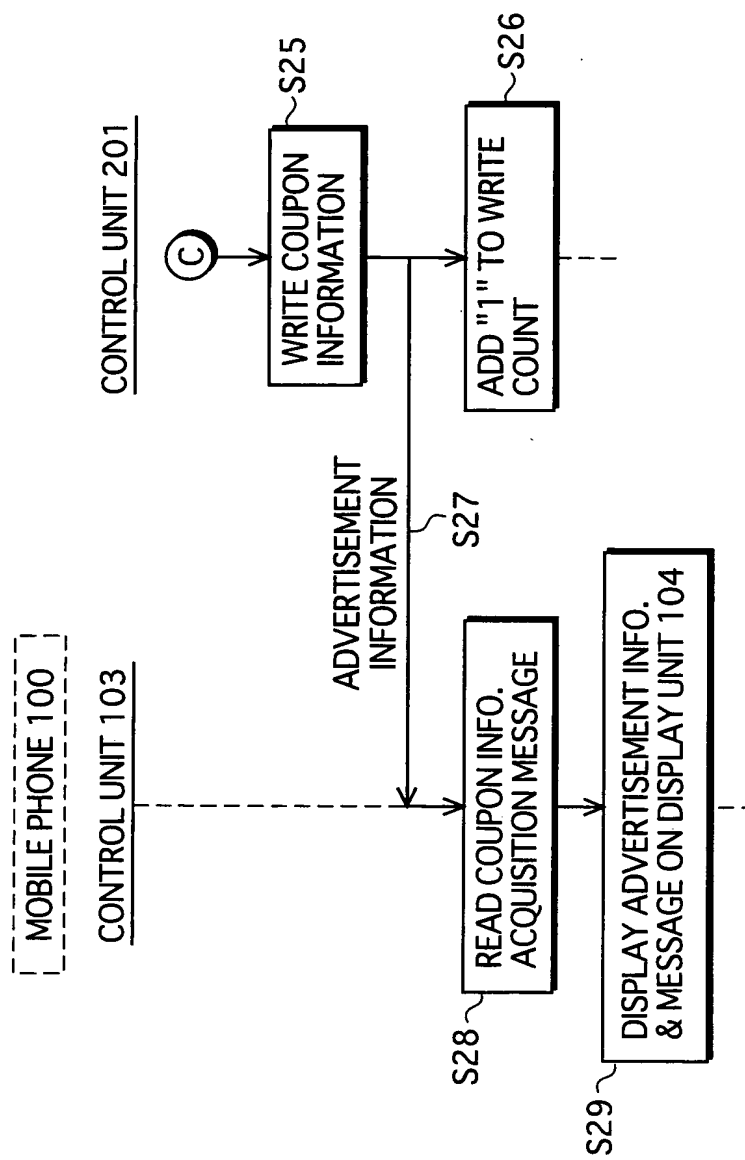


FIG.11



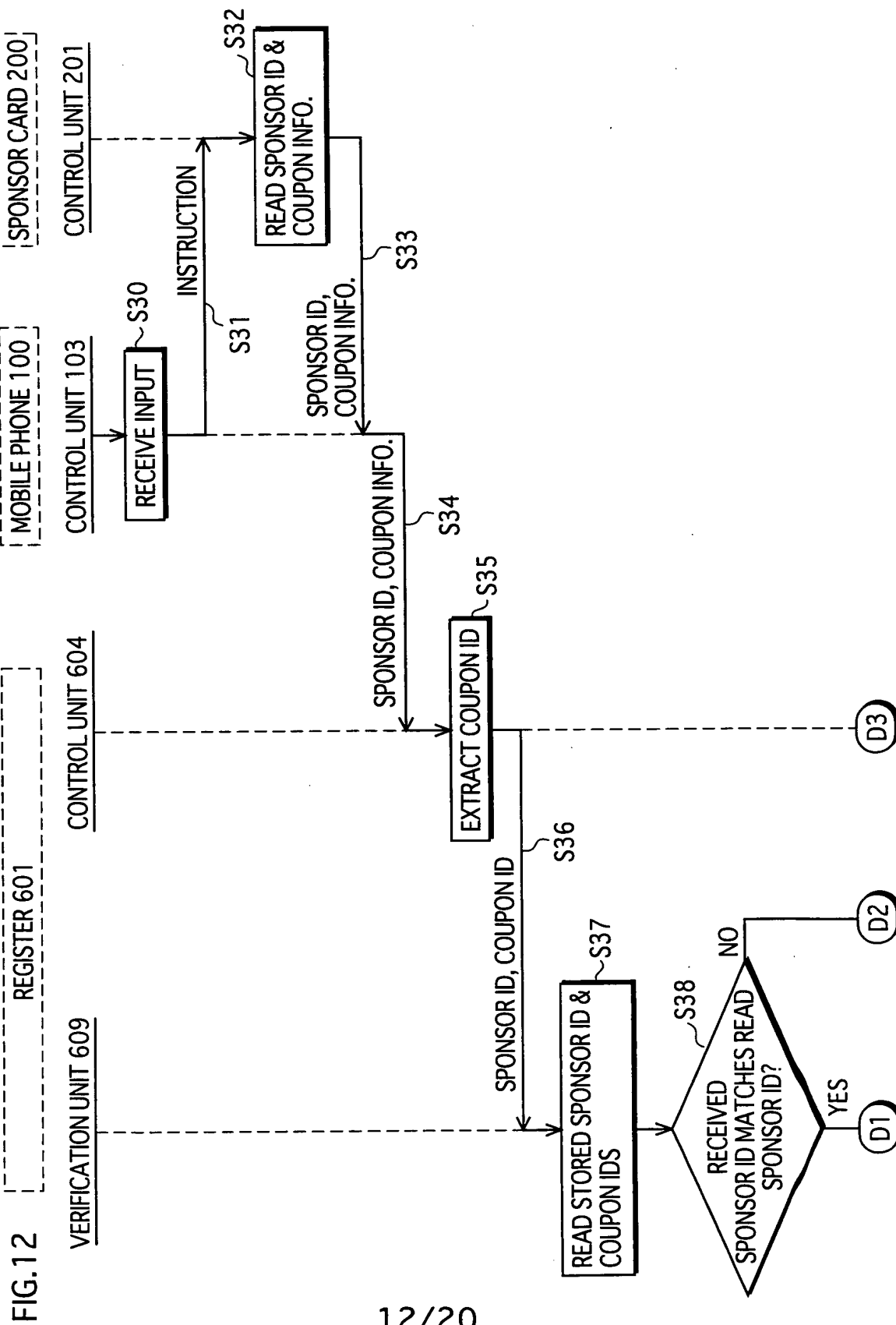


FIG. 13

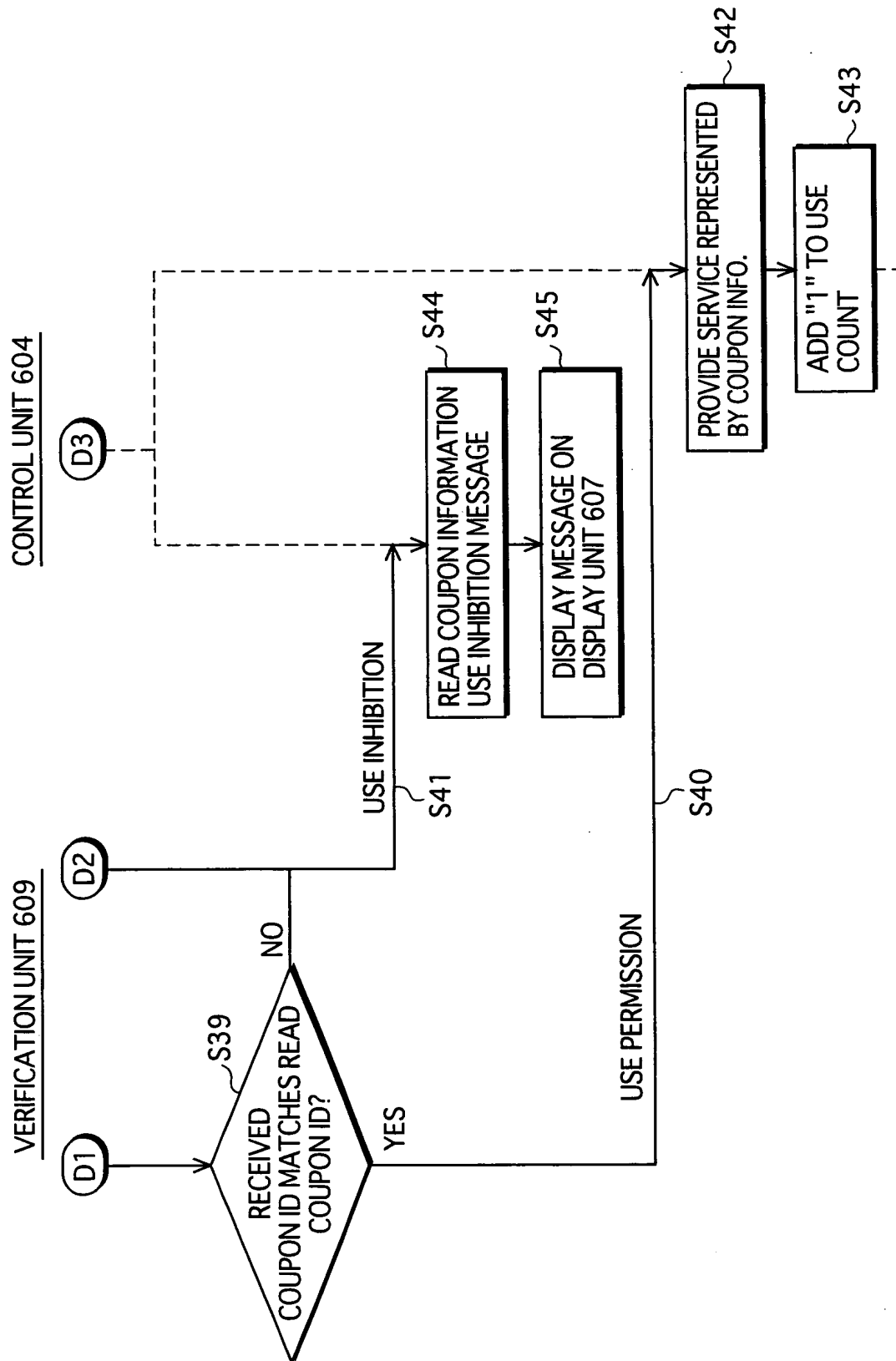


FIG. 14

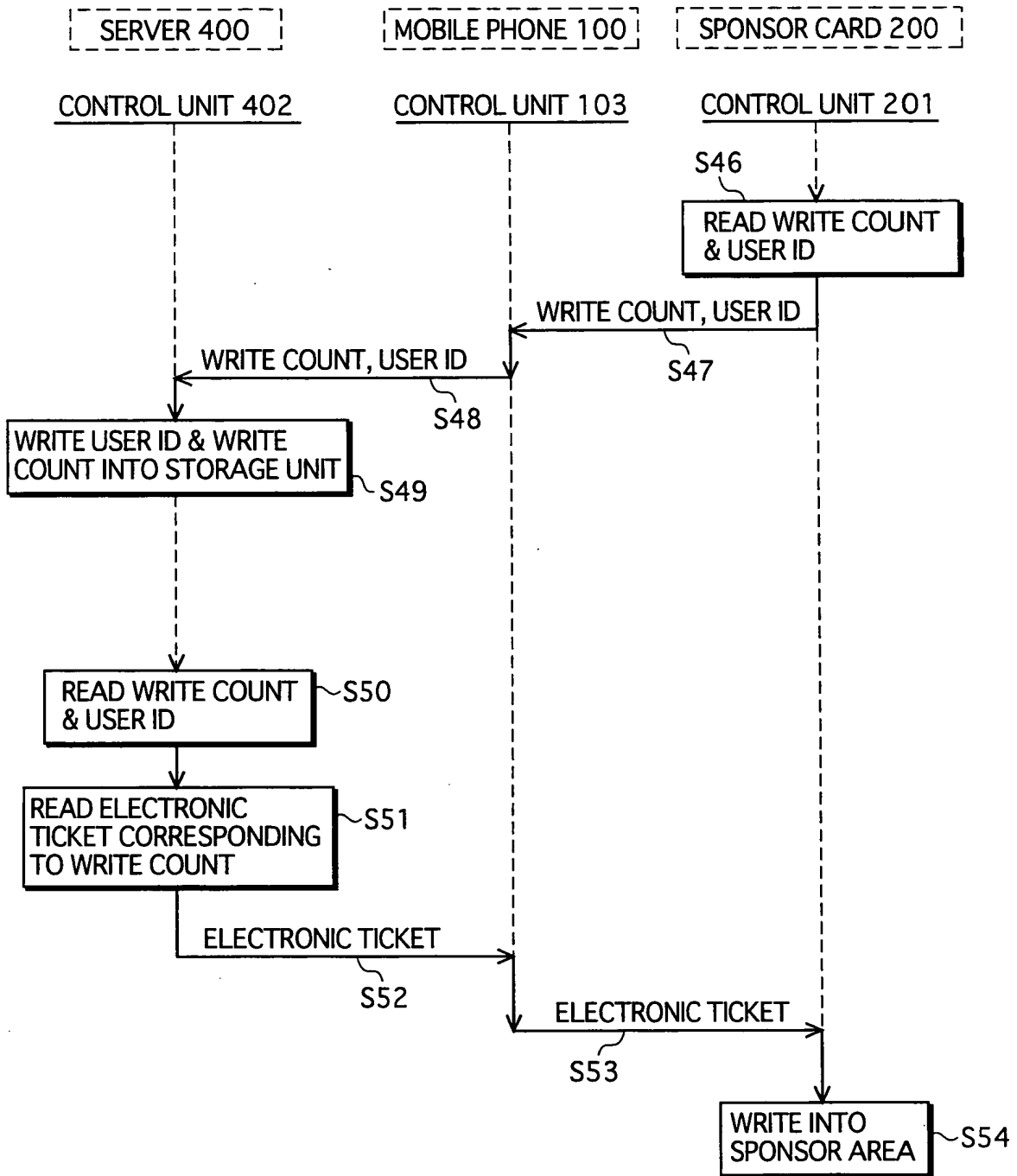


FIG.15

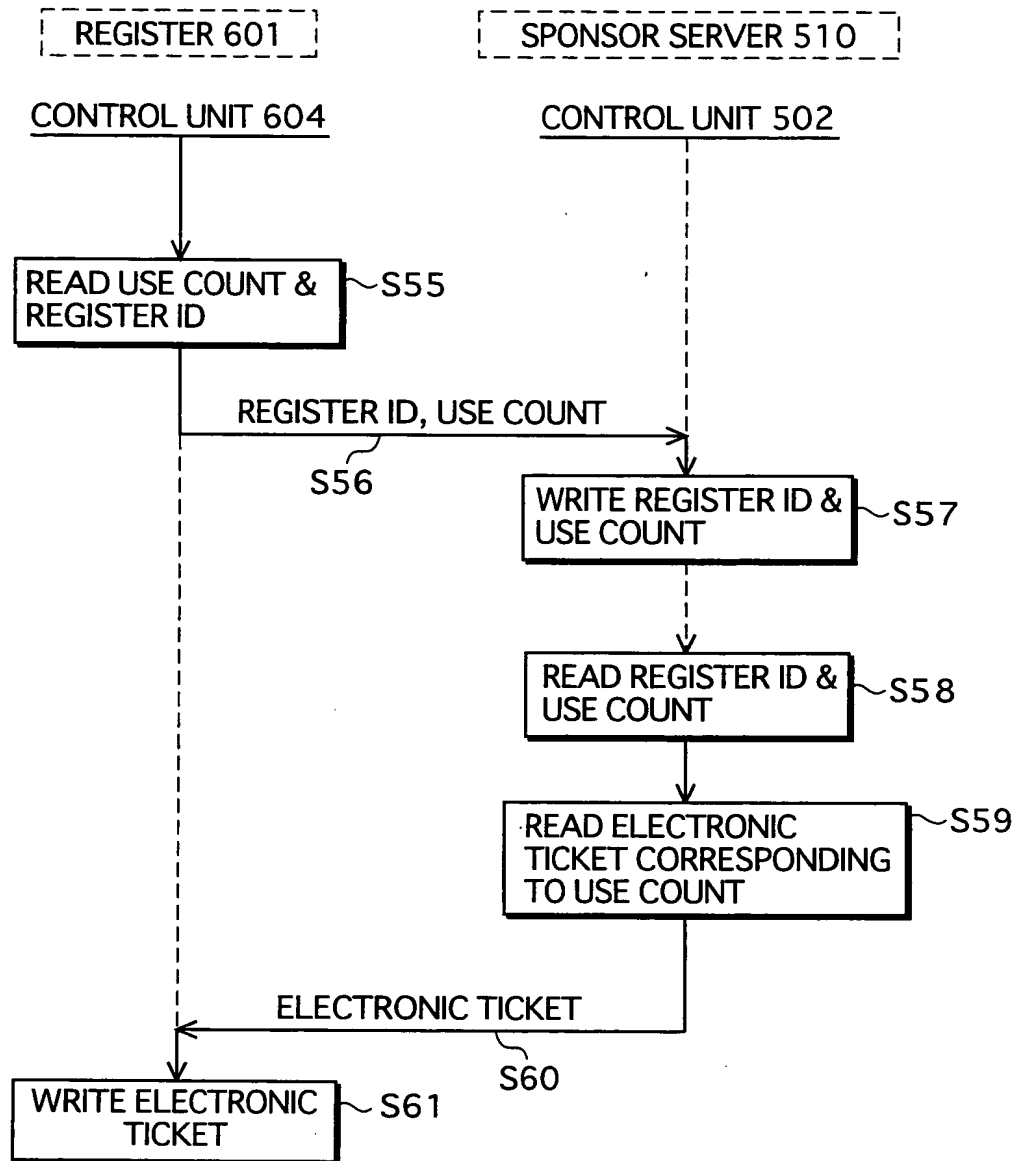


FIG.16

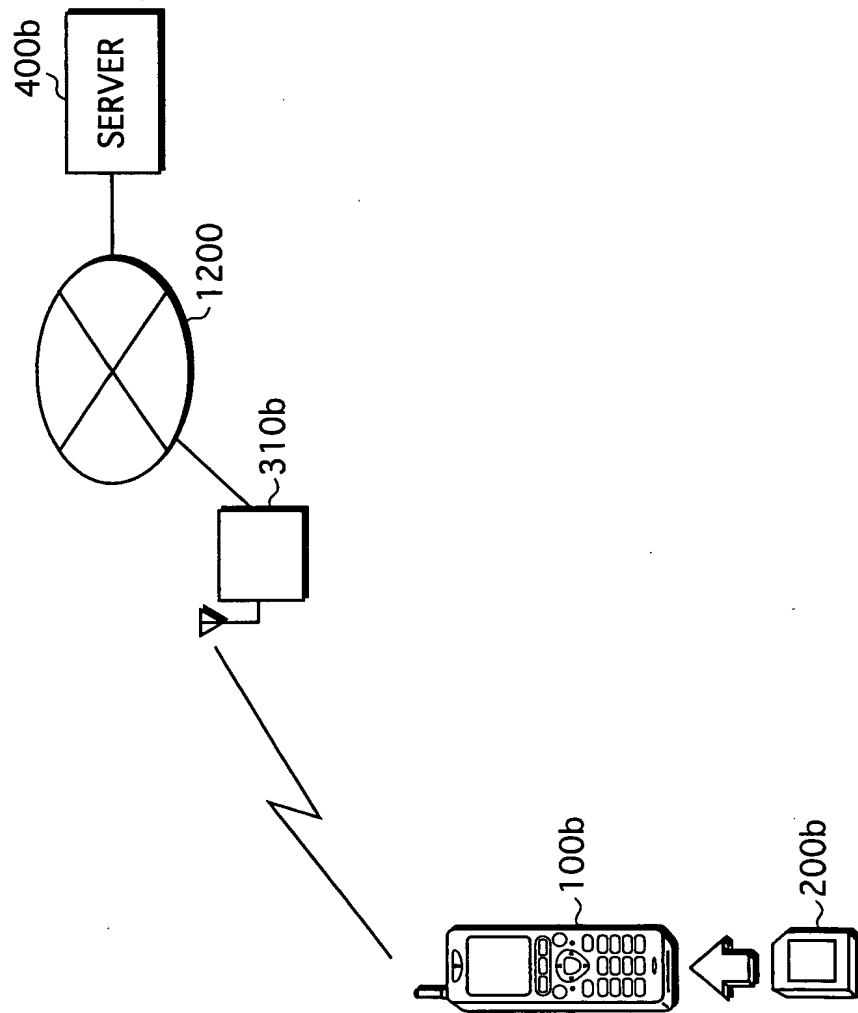




FIG.17

	SPONSOR E				SPONSOR F			SPONSOR G		
	E0001	E0002	...	Exxxx	F0001	...	FOOOO	G0001	...	GΔΔΔΔΔ
PUSH INFORMATION ID										
INDEX INFORMATION			...			...			...	
ADVERTISEMENT INFORMATION			...			...			...	
COUPON INFORMATION			...			...			...	
DIGITAL SIGNATURE DATA			...			...			...	

FIG.18A

PUSH INFORMATION ID	ADVERTISEMENT INFORMATION	COUPON INFORMATION
E0001	A	c
E0002	D	a
⋮	⋮	⋮
G△△△△	P	q

FIG.18B

ADVERTISEMENT INFORMATION	
A	APPLIANCES
B	AUDIO-VISUAL EQUIPMENT
⋮	⋮
Z	BOOKS

FIG.18C

COUPON INFORMATION	
a	DISCOUNT
b	REDUCTION
⋮	⋮
z	LIMITED SALE

FIG.19

USER ID	WRITE COUNT	PROFILE INFORMATION	REFUSE-STATE INFORMATION
*****	10	AGE: 34 GENDER: MALE ADDRESS: HYOGO PREFECTURE : : :	E0001,07.28,ID31b/ G0002,08.03,ID32b/ : : :
· · ·	· · ·	· · ·	· · ·

FIG.20

